Index of Claims

| Application/ | Control No. |
|--------------|-------------|
|--------------|-------------|

09/894,601

Examiner

Eva Yi Zheng

Applicant(s)/Patent under Reexamination

KOO, CHANG-HOI

Art Unit

2634

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      | Date     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    | Claim Date                                       |                 |           |     |          |          | :::::           | Claim Date |          |                                                   |         |          |          |                 |          |        | $\neg$     |                    |           |           |          |          |              |          |           |          |
|----------|----------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|--------------------|--------------------------------------------------|-----------------|-----------|-----|----------|----------|-----------------|------------|----------|---------------------------------------------------|---------|----------|----------|-----------------|----------|--------|------------|--------------------|-----------|-----------|----------|----------|--------------|----------|-----------|----------|
|          | <u>-</u> | 5        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    |                                                  |                 |           |     |          | - To     |                 |            |          | Т                                                 |         |          |          |                 |          |        |            |                    |           |           |          | П        | $\Box$       |          | $\top$    | ٦        |
| Finat    | Original | 11/4/05  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ı        | ı                 |          | l                  |                                                  |                 |           |     | Final    | Original |                 |            | 1        |                                                   |         |          |          |                 |          | Final  | Original   |                    |           |           |          |          | ı            |          |           |          |
| ıΞ       | ō        | 11/      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    |                                                  |                 |           |     | 证        | Ö        |                 |            |          |                                                   |         |          |          |                 |          | ΙŒ     | Ö          |                    |           |           |          |          |              | ŀ        | -         |          |
| <b>—</b> |          | _        | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |                   |          | <u> </u>           | ļ                                                | Н               |           |     |          |          |                 | -          | _        | $\perp$                                           | 1       | $\bot$   | ╄        |                 |          |        |            |                    |           | _         | _        | _        | $\dashv$     | _        | $\dashv$  | 4        |
| 1        | 1        | =        | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\dashv$ |                   |          | <u> </u>           | ├—                                               | $\vdash$        |           |     |          | 51       | -               |            | $\dashv$ | +                                                 | 4-      | +        | +-       | -               |          |        | 101        | L                  | _         | _         | _        | _        | _            | $\dashv$ | 4         | _        |
| 2        | 3        | = =      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | $\dashv$ | -                 |          | ┝                  | _                                                | $\vdash$        |           |     |          | 52       | Н               |            | $\dashv$ | +                                                 |         | +        | +        | Н               |          |        | 102        | $\square$          | $\dashv$  | $\dashv$  | -        | $\dashv$ | $\dashv$     | 4        | $\dashv$  |          |
| 7        | 4        | =        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\dashv$ | $\dashv$          | -        | -                  | 1                                                | $\vdash$        | $\dashv$  |     |          | 53<br>54 | $\vdash$        |            | $\dashv$ | +                                                 | +       | +        | ╁        | H               |          |        | 103<br>104 | ${\mathbb H}$      | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$ | -+           | $\dashv$ | -+        | $\dashv$ |
| 1        | 5        | =        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ┪        | $\dashv$          | -        |                    | <del>                                     </del> | $\vdash$        | $\dashv$  |     |          | 55       | $\vdash$        | +          | $\dashv$ | +                                                 | +       | +-       | ╁        | Н               |          |        | 105        | $\vdash$           | $\dashv$  |           | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$  | $\dashv$ |
| 6        | 6        | =        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | _        | _                 | -        |                    | ┢                                                | $\vdash$        | 러         |     |          | 56       | $\vdash$        | -          | $\dashv$ | ╁                                                 | ┿       | ╁        | +        | $\vdash$        |          |        | 106        | $\dashv$           | $\dashv$  |           | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$  | $\dashv$ |
| 17       | 7        | =        | $\exists$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ┪        |                   |          |                    |                                                  | П               | $\exists$ |     |          | 57       | H               | _          | $\dashv$ | 十                                                 | +       | +        | ╫        | Н               |          |        | 107        | $\vdash$           | $\dashv$  | $\dashv$  | +        | 十        | 一            | $\dashv$ | $\dashv$  | $\dashv$ |
| 1        | 8        | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    | T                                                | П               | $\neg$    |     |          | 58       | Ħ               | $\neg$     | $\dashv$ | $\top$                                            | $\top$  | 1        | $\top$   |                 |          |        | 108        | $\dashv$           | 7         | ヿ         | 寸        | -        | $\dashv$     | 十        | $\forall$ | $\dashv$ |
| 9        | 9        | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    | Г                                                |                 |           |     |          | 59       | П               | 一          | $\dashv$ | $\top$                                            | $\top$  | 1        |          | П               |          |        | 109        |                    | $\neg$    | ┪         | $\dashv$ | 1        | 十            | ヿ        | 7         | ┪        |
| 10       | 10       | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    |                                                  |                 |           |     |          | 60       |                 |            | T        |                                                   | T       | T        |          |                 |          |        | 110        |                    | $\exists$ |           | T        | ヿ        | $\neg$       |          | 寸         | 7        |
| Ш        | 11       | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    |                                                  | Ш               |           |     |          | 61       |                 |            | $\Box$   |                                                   |         |          |          |                 |          |        | 111        |                    |           |           |          |          |              |          | I         |          |
| In.      | 12       | =        | Ш                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          | _                 |          |                    |                                                  | Ш               |           |     |          | 62       | Ш               |            | $\bot$   | $\perp$                                           |         |          | $\perp$  |                 |          |        | 112        |                    |           | $\Box$    |          |          |              |          | $\Box$    |          |
| 13       | 13       | =        | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -        | $\dashv$          |          |                    | <u> </u>                                         | Щ               | _         |     |          | 63       | Ш               | _          | _        | $\perp$                                           | ┸       | _        | _        | $\sqcup$        |          |        | 113        | Щ                  | _[        | _[        | _[       | $\Box$   | $\Box$       | $\bot$   | $\perp$   |          |
| 14       | 14       | =        | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -        |                   |          |                    | <u> </u>                                         | $\sqcup$        | _         |     |          | 64       | Щ               | 4          | 4        |                                                   | $\bot$  | $\perp$  | $\perp$  | Ш               |          |        | 114        | $\sqcup$           |           | _         | _        | _        |              | _        | $\dashv$  | _        |
| 1-13     | 15       | =        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\dashv$ | -                 |          | _                  | $\vdash$                                         | $\vdash \vdash$ | $\dashv$  |     |          | 65       | $\vdash \vdash$ | $\dashv$   | -+       |                                                   | +       | +        | +        | $\vdash$        |          |        | 115        |                    | $\dashv$  | $\dashv$  | $\dashv$ |          | _            | 4        | $\dashv$  | 4        |
| 16       | 16<br>17 | =        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\dashv$ | $\dashv$          | $\dashv$ | -                  | ┢                                                | $\vdash \vdash$ | $\dashv$  |     |          | 66<br>67 | $\vdash$        | $\dashv$   | +        |                                                   | +       | +        | +        | $\vdash$        |          |        | 116        | $\left  - \right $ | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$ | -            | $\dashv$ | +         | -        |
| 117      | 18       | _        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | $\dashv$ | $\dashv$          |          | -                  | $\vdash$                                         | ┝╌┤             | $\dashv$  |     |          | 68       | $\vdash$        | +          | _        | +                                                 | +       | +        | ╁        | Н               |          | -      | 117<br>118 |                    |           | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$     | -+       | +         | $\dashv$ |
| 14       | 19       | =        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          | -                 |          |                    | -                                                |                 | $\dashv$  |     |          | 69       | $\dashv$        | $\dashv$   | $\dashv$ | +                                                 |         | ╁        | +        | Н               |          |        | 119        | $\vdash$           | -         |           | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ | +         | $\dashv$ |
| 7.7      | 20       | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | +        | $\neg$            | $\neg$   |                    | _                                                | H               | $\dashv$  |     |          | 70       | $\dashv$        | $\dashv$   | $\dashv$ | +                                                 | ┰       | +        | +        | Н               |          | _      | 120        |                    | -         | -+        | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ | +         | -        |
| 21       | 21       | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | $\neg$   | _                 |          |                    |                                                  | Н               | _         |     |          | 71       | $\neg$          |            | 1        | +                                                 | ╅       | +        | 1        | Н               |          |        | 121        |                    | <b>-</b>  | _         | +        | $\dashv$ | $\dashv$     | 十        | $\dashv$  | $\dashv$ |
| 12       | 22       | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    |                                                  | П               |           |     | İ        | 72       | $\dashv$        | 寸          | T        | 1                                                 | 十       | 1        | t        | П               |          |        | 122        |                    | 寸         | _         | $\dashv$ | 十        | 十            | 十        | $\dashv$  | ┪        |
| 23       | 23       | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    |                                                  |                 |           |     |          | 73       |                 | Ť          |          |                                                   | $\top$  |          |          | П               |          |        | 123        |                    | 寸         | 寸         | 寸        | 寸        | $\neg$       | 寸        | $\dashv$  | ┪        |
| 76       | 24       | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    |                                                  |                 |           |     |          | 74       |                 |            |          |                                                   | T       | T        | Т        | П               |          |        | 124        |                    |           |           | T        | $\neg$   | ヿ            | ヿ        | $\top$    | ヿ        |
| 3        | 25       | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    |                                                  |                 |           |     |          | 75       |                 |            |          |                                                   |         |          |          |                 |          |        | 125        |                    | Ţ         |           |          |          | $\Box$       |          |           |          |
| 26       | 26       | =        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | _        |                   |          |                    |                                                  | Щ               | _         |     |          | 76       |                 | 4          |          |                                                   | 丄       | $\perp$  |          | Ш               |          |        | 126        |                    |           |           |          | $\Box$   | $\Box$       | $\Box$   | $\Box$    |          |
| 27       | 27       | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | _ [      |                   |          |                    |                                                  |                 | _         |     |          | 77       | $\Box$          | 4          | 4        | 4.                                                | _       | <u> </u> | ļ        | Ш               |          |        | 127        |                    | _         |           |          | _        | $\dashv$     | $\dashv$ | _         | _        |
|          | 28       |          | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\dashv$ | -                 | $\dashv$ |                    | _                                                | Н               | _         |     |          | 78       | 4               | $\dashv$   | 4        | _                                                 | $\bot$  | _        | ╄        | Ш               |          |        | 128        |                    | 4         | _         | _        | _        | _            | _        | _         | _        |
| -        | 29<br>30 | _        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\dashv$ | $\dashv$          |          |                    |                                                  | Н               | $\dashv$  |     |          | 79       | _               | +          | $\dashv$ | +                                                 | +       | +        | ┼        | Н               |          |        | 129        | $\dashv$           | -         | 4         | 4        | $\dashv$ | -            | 4        | $\dashv$  | 4        |
| _        | 31       |          | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | +        | _                 | -        | _                  | -                                                | Н               | $\dashv$  |     |          | 80<br>81 |                 | $\dashv$   | -+       | +                                                 | ╁       | +        | +-       | Н               |          |        | 130        |                    | 4         |           | +        | $\dashv$ | $\dashv$     | $\dashv$ | +         | 4        |
| -        | 32       | _        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | +        | -                 |          | $\dashv$           |                                                  | H               | $\dashv$  |     |          | 82       |                 | $\dashv$   | -        | +                                                 | ╁       | ┿        | ╁        | Н               | 1        |        | 131<br>132 | $\dashv$           |           | $\dashv$  | +        | $\dashv$ | -+           | +        | $\dashv$  | $\dashv$ |
|          | 33       |          | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | - 1      | _                 | 一        |                    | -                                                | H               | $\dashv$  |     |          | 83       |                 | $\dashv$   | +        | +                                                 | +       | ╁        | +        | Н               | 1        | -      | 133        | -                  | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$ | +            | +        | +         | -        |
|          | 34       |          | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7        | ┪                 | 一        |                    | $\vdash$                                         | $\Box$          | $\dashv$  |     |          | 84       |                 | _          | $\top$   | +                                                 | +       | +        | 1-       | $\vdash \dashv$ | ⊪        | -+     | 134        | +                  | $\dashv$  | $\dashv$  | $\dashv$ | +        | 十            | $\dashv$ | +         | $\dashv$ |
|          | 35       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    |                                                  |                 |           |     |          | 85       |                 | T          | $\top$   | $\neg \vdash$                                     | $\top$  | 1        | $\vdash$ | $\Box$          |          |        | 135        | $\dashv$           | 十         | 寸         | _        | 十        | $\dashv$     | $\dashv$ | $\dashv$  | $\dashv$ |
|          | 36       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                   |          |                    |                                                  |                 |           |     |          | 86       |                 | 丁          | _†       |                                                   | $\top$  | 1        | $\Box$   |                 |          |        | 136        | $\dashv$           | $\dashv$  | $\dashv$  | _        | 十        | $\dashv$     | 十        | $\top$    | $\dashv$ |
|          | 37       |          | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | $\Box$   | $\Box$            | $\Box$   |                    |                                                  | $\square$       |           |     |          | 87       |                 |            |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $\perp$ |          |          |                 |          |        | 137        |                    | _         | _1        |          | 丁        | $\top$       | 寸        | 一         | $\dashv$ |
| <u> </u> | 38       |          | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | _        | _                 |          | $\Box$             | Ш                                                | Ш               | _         |     |          | 88       |                 |            | $\Box$   | $\perp$                                           | T       | $\perp$  |          |                 |          |        | 138        |                    |           | $\Box$    |          | $\Box$   | $\Box$       | $\Box$   | $\Box$    |          |
| <b>_</b> | 39       |          | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4        | 4                 |          | Ц                  | Щ                                                | $\sqcup$        | _         |     |          | 89       | $\perp$         | _          | _        | _                                                 | $\perp$ | 1        |          | Щ               |          | ]      | 139        |                    | $\Box$    | $\bot$    | $\bot$   | $\perp$  | ightharpoons | Ţ        | $\perp$   |          |
| $\vdash$ | 40       | $\dashv$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | -                 |          | $\dashv$           | Щ                                                | $\vdash \vdash$ | _         |     |          | 90       | $\dashv$        | $\dashv$   | 4        |                                                   | $\bot$  | +-       | 1        | Щ               |          |        | 140        |                    | 4         | _         | $\perp$  | 4        | $\dashv$     |          | $\perp$   |          |
| -        | 41       | _        | -+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | +        | $\dashv$          |          | $\dashv$           | $\vdash\dashv$                                   | $\vdash \vdash$ |           |     |          | 91       | $\dashv$        | +          | +        | +                                                 | +       | +        | ┼        | Щ               |          |        | 141        |                    | $\dashv$  | -         | $\dashv$ | 4        | $\dashv$     | $\dashv$ | +         | 4        |
| $\vdash$ | 42       | -        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\dashv$ | $\dashv$          | -        | $\dashv$           | $\vdash$                                         | $\vdash$        |           |     |          | 92<br>93 |                 | -          | +        | +                                                 | +-      | +-       | ┼        | $\vdash$        |          |        | 142        |                    | $\dashv$  | -         | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ | +         | 4        |
| $\vdash$ | 44       |          | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\dashv$ | $\dashv$          |          |                    | $\vdash$                                         | $\vdash$        | -         |     |          | 94       | +               | $\dashv$   | +        | +-                                                | +       | +-       | $\vdash$ | $\vdash \vdash$ | <b> </b> |        | 143<br>144 | $\dashv$           | $\dashv$  | -         | $\dashv$ | +        | $\dashv$     | -+       | +         | $\dashv$ |
| $\vdash$ | 45       | -        | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\dashv$ | $\dashv$          | $\dashv$ |                    | $\vdash$                                         | -               | -         |     | $\dashv$ | 95       | -+              | +          | +        | $\dashv$                                          | +       | +        | $\vdash$ | $\vdash\vdash$  | ⊪        |        | 144        |                    | +         | $\dashv$  | +        | +        | +            | $\dashv$ | +         | $\dashv$ |
|          | 46       | $\dashv$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\dashv$ | $\dashv$          | _        | ᅱ                  |                                                  | $\dashv$        | -         | H   |          | 96       | $\dashv$        | $\dashv$   | 十        | +                                                 | +       | ╁        |          | $\dashv$        | ⊪ŀ       |        | 146        | $\dashv$           | +         | +         | $\dashv$ | +        | 十            | +        | +         | $\dashv$ |
|          | 47       | T        | 十                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 寸        | 寸                 |          | $\dashv$           | $\vdash$                                         | $\vdash$        | $\dashv$  | i i |          | 97       | T               | $\dashv$   | +        | +                                                 | +       | +        | $\vdash$ | $\vdash \vdash$ |          |        | 147        | -                  | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$ | +            | +        | +         | $\dashv$ |
|          | 48       |          | 一                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 丁        |                   | TÌ       |                    | П                                                | $\Box$          | $\neg$    |     | $\neg$   | 98       | $\dashv$        | $\dashv$   | _        | $\top$                                            | †       | $\top$   | 1        | $\vdash$        | ŀ        |        | 148        | $\dashv$           | $\dashv$  | $\dashv$  | $\dashv$ | 十        | +            | +        | +         | $\dashv$ |
|          | 49       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          | $\Box$            |          | $\overline{\cdot}$ |                                                  |                 | _].       |     |          | 99       |                 | $\neg$     | _        | 1                                                 | 1       | 1        | $\Box$   | $\dashv$        |          |        | 149        | _                  | _         | $\forall$ | 十        | $\dashv$ | 十            | +        | $\dashv$  | $\dashv$ |
|          | 50       | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}$ |          | $oldsymbol{\bot}$ |          | $\Box$             |                                                  |                 |           |     |          | 100      | T               | Т          | T        | T                                                 | T       | Г        |          | П               |          | $\neg$ | 150        | $\exists$          | T         | ヿ         | $\top$   | $\top$   | ヿ            | 十        | +         | ヿ        |